

BIBLIOGRAPHY

C. FITZHUGH TALMAN, in Charge of Library

RECENT ADDITIONS

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

Albrecht, Fritz, & others.

Grundzüge der Meteorologie und ihre unterrichtliche Behandlung in Volks- und höheren Schulen. Berlin. 1927. viii, 169 p. illus. plates. 24 $\frac{1}{2}$ cm.

Austin, L. W.

Radio atmospheric disturbances and solar activity. p. 837-842. figs. 28 cm. (Repr.: Proc. Inst. radio engin., Oct., 1927.)

Barnes, H. T.

Report on the influence of icebergs and land on the temperature of the sea, as shown by the use of the microthermometer, on a trip of the C. G. S. *Montcalm* in the Gulf of St. Lawrence and coast of Labrador: and notes of a trip across the Atlantic on board the R. M. S. *Victorian*, on which a microthermometer had been used. Ottawa. 1913. 37 p. plates. 25 cm. (Suppl. 45th ann. rep. dept. marine & fish., 1911-12.)

Breitfuss, Leonid.

Internat. Studiengesellschaft zur Erforschung der Arktis mit dem Luftschiff (Aeroarctic). Verhandlungen der I. ordentl. Versammlung in Berlin 9.-13. November 1926. Gotha. 1927. vi, 115 p. figs. 27 $\frac{1}{2}$ cm. (Ergänzungsheft Nr. 191 zu "Petermanns Mitt.")

Brocke, Albert.

Blitz, Gewitter und Blitzableiter. Volkstümlich erläutert von Albert Brocke. [Bernburg.] n. d. 15 p. illus. 22 $\frac{1}{2}$ cm.

Brooks, Charles F.

Problem of seasonal weather forecasting. p. 9-11. 29 $\frac{1}{2}$ cm. (Prof. eng., v. 12, no. 11, Nov., 1927.)

Chamber of Commerce of the United States of America.

Referendum no. 51 on the report of the committee on Mississippi flood control. Washington. 1927. 37 p. maps. 27 $\frac{1}{2}$ cm.

Dorno, C.

Physikalische Grundlagen der Sonnen- und Lichttherapie. p. 110-138. figs. 25 cm. (Sonderab.: Handb. der gesamten Strahlenheilkunde Biol., Path., & Ther., Bd. 1, Lief. 1.)

Eredia, Filippo.

Sui caratteri climatologici della Somalia Italiana meridionale. Genova. 1927. 6 p. plates. 34 cm. (Estr.: Notiz. sul clima della Somalia Italiana merid. e sul regime idrom. dell'ubei scebeli secondo le osserv. fatte nelle staz. Ist. da S. A. R. il Duca degli Abruzzi.)

Exner, Felix M.

Atmosphärische Bewegungen. Leipzig. 1927. p. 207-241. Figs. 25 cm. (Sonderab.: Handb. der phys. und tech. Mechanik. Bd. 6, Lief. 1.)

Ficker, H. v.

Klimatologische Bemerkungen über Turkestan. p. 42-57. illus. 23 $\frac{1}{2}$ cm. [Mitteil. d. Gesellsch. f. Erdkunde. Leipzig. 1925.]

Gold, Ernest.

Falling time of marine barometers. n. p. n. d. 7 p. 33 $\frac{1}{2}$ cm. [Typewritten.]

Gruner, P., & Kleinert, H.

Die Dämmerungserscheinungen. Hamburg. 1927. viii, 124 p.. illus. plates (part fold.) 24 cm. (Probleme der kosmischen Physik, no. 10.)

Homén, Theodor.

Über die Bodentemperatur in Mustiala. Helsingfors. 1896. 183 p. plates (fold.) 28 $\frac{1}{2}$ cm. (Acta soc. sci. fenn. T. 21, no. 9.)

International commission for air navigation.

Convention relating to the regulation of aerial navigation dated 13th October 1919. [Paris. 1927.] 75 p. illus. plate. 31 cm. [Title and text in French, English and Italian.]

Italy. Min. dell' aeronautica. Ufficio presagi.

Per la gara della coppa Schneider. Cenni sommari sulle condizioni meteorologiche normali de Venezia durante i mesi de agosto, settembre e ottobre. Roma. 1927. 14 p. figs. 23 cm.

La Ville, H. C.

St. Louis tornado. p. 680-688. illus. 24 $\frac{1}{2}$ cm. (Stone & Webster journ., v. 41, no. 5, Nov., 1927.)

Marshall, Robert.

Influence of precipitation cycles on forestry. p. 415-429. figs. 24 $\frac{1}{2}$ cm. [Journ. of forestry, v. 25, no. 4, Apr., 1927.]

Pavia. R. Osservatorio geofisico.

Sondaggi con palloni sonda effettuati a Pavia (Italia.) n. p. 1926. unp. 30 cm. [Typewritten.]

Petersen, Helge.

On the heating of the uppermost atmosphere caused by cathodic rays from the sun. København. 1927. 9 p. 25 $\frac{1}{2}$ cm. (Pub. Danske met. inst. Comm. magnét.)

Pettersson, E. G.

Studier över de olika molnformernas förekomst i Helsingfors. Helsingfors. 1923. 39 p. 24 cm. (Soc. sci. fenn. Comm. physico-math. I. 34.)

Rudaux, Lucien.

Green ray "mystery" explained: remarkable sunset phases. p. 712-713. illus. 37 $\frac{1}{2}$ cm. (Ill. London news, Oct. 22, 1927. v. 81.)

Süring, Reinhard.

Leitfaden der Meteorologie, nach Hann-Sürings Lehrbuch der Meteorologie. Leipzig. 1927. xii, 426 p. plates (part fold.) 26 $\frac{1}{2}$ cm.

Taulis M., Enrique.

Algunas investigaciones sobre los centros de alta presion de la atmósfera. Santiago de Chile. 1927. 16 p. figs. 24 cm. (Artículo pub. en el n.o 5 de la Revista studium.)

Väistö, Vilho.

Über die Verteilung der Bewölkung auf dem Himmelsgewölbe. Helsingfors. 1927. 55 p. figs. 24 cm. (Mitt. des Met. Inst. der Univ., Helsingfors. No. 5.)

Venice. Ufficio idrografico.

Velocità delle correnti di marea nel canale porto di Lido. Venezia. 1927. [3 p.] charts. 28 $\frac{1}{2}$ cm.

Zon, Raphael.

Forests and water in the light of scientific investigation. Washington. 1927. 106 p. figs. 23 $\frac{1}{2}$ cm. (Repr.: with rev. bibliography, 1927, from appen. V, final report Nat. waterways comm., 1912. (Sen. doc. no. 469, 62d cong., 2d sess.))

RECENT PAPERS BEARING ON METEOROLOGY

The following titles have been selected from the contents of the periodicals and serials recently received in the library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

American academy of arts & sciences. Proceedings. Boston. v. 62. August, 1927.

Gerasimovič, B. P. Astrophysical aspects of the general field of penetrating radiation.

Beiträge zur Geophysik. Leipzig. 18. Band. 1/2 Heft. 1927.

Hartmann, Wilhelm. Blau-ultraviolette Sonnenstrahlung und atmosphärische Vorgänge. p. 30-72.

Koenigsberger, J. Über die Berechnung der Wirkungen von Einlagerungen auf natürliche und künstliche homogene Felder in der Erde. p. 115-126.

Lindholm, F. Über die Staubtrübung der Atmosphäre 1909 bis 1926. p. 127-144.

- Factory mutual record.* Boston. v. 4. November, 1927.
Wreckage in its wake. The St. Louis tornado rips a path of ruin across the city. p. 1-6.
- France. Académie des sciences. Comptes rendus.* Paris. t. 184. 7 novembre, 1927.
Huber, Georges-Henri. Influence des surfaces de discontinuité atmosphériques sur la propagation des ondes courtes. p. 934-936.
- Franklin institute. Journal.* Philadelphia. v. 204. November, 1927.
Simon, A. W. The electrostatics of the thunderstorm. p. 617-647.
- Geography.* London. v. 14. part 1. no. 77. 1927.
Brooks, C. E. P. The annual variation of temperature at San Francisco. p. 25-26.
- Indian journal of physics.* Calcutta. v. 2. part 1. 1927.
Khambata, Sam J. Radio-active products present in the atmosphere of Bombay. p. 25-27.
- Journal of geophysics and meteorology.* Moscow. v. 4. no. 2. 1927.
Holtzmann, M. A. Some applications of a rotating anemometer. p. 215. [Abstract.]
- Kalgorodov, A. I. The seasons in connection with analytical and comparative methods of their study. p. 188. [Abstract.]
- Loveyko, V. Communiqué préliminaire sur la question des conditions synoptiques occasionnant les "Zajores" sur les fleuves: Néva, Svir, Cheksna et Volkov. p. 172. [Abstract.]
- Myrbach, Otto. Die Schwankungen der Grosswetterlage in ihrer Abhängigkeit von der Sonnentätigkeit nebst einen Anhang über die Alteration dieser Beziehungen durch die Mondphase. p. 217-231.
- Tchurkina, W. N. Über einige Eigentümlichkeiten des Regimes der Lufttemperatur während der Dürren im Osten und Südosten des europäischen Teils d. USSR. p. 162-163. [Abstract.]
- Tchanowsky, I. I. Untersuchungen über die Polarisation des Himmelslichtes. p. 129. [Abstract.]
- Weinberg, B. P. Contribution to the question on the relations between the solar activity and the atmospheric electricity. p. 179. [Abstract.]
- Weinberg, B. P. The secular variation of the elements of terrestrial magnetism at the southeast of Siberia. p. 188. [Abstract.]
- Wiese, W. J. Beiträge zur Vorhersage der mittleren monatlichen und jahreszeitlichen Werte meteorologischer Elemente. III. Die mittlere Temperatur der Luft im Januar in Leningrad. p. 143-144. [Abstract.]
- Matériaux pour l'étude des calamités.* Genève. Année 4. Juillet-septembre 1927.
Maurer, J. Les catastrophes météorologiques et l'activité solaire. p. 178-180.
- Meteorological magazine.* London. v. 62. November, 1927.
Britton, C. E. A Somersetshire weather diary. p. 238-240.
- Brooks, C. E. P. Monthly distribution of storms. p. 229-232.
- Garbett, L. G. Sounding-balloon ascent over the North Sea. p. 235-237. [Showing remarkable temperature inversion.]
- Lamb, C. W. Minimum temperatures as recorded in the Stevenson screen and in an adjacent transport shed with an open end. p. 232-234.
- Note on the lasting qualities of small rubber balloons. p. 237-238.
- Zealley, P. R. The play of the winds. p. 228-229.
- Meteorologische Zeitschrift.* Braunschweig. Band 44. Oktober, 1927.
Aufsess, Kochel v. Beziehungen zwischen Sonnentätigkeit und Luftdruckverteilung über Europa im zweiten Vierteljahr 1927. p. 380-385.
- Dorno, C. Parallelmessungen der photochemischen Ortsähnlichkeit nördlichem Polarkreis und südlichem Wendekreis mittels Eders Graukeilphotometer. p. 369-380.
- Dorno, C. Über Ozonmessungen auf spektroskopischem Wege. p. 385-388.
- Götz, F. W. Paul. Erwiderung zu C. Dorno, Über Ozonmessungen auf spektroskopischem Wege. p. 389-390.
- Kühn, Franz. Klima und Wetter in der Stadt Paraná (argent. Provinz Entre Ríos) nebst einigen phänologischen Beobachtungen. p. 361-368.
- Škrebs, S. Das aschfarbige Mondlicht. p. 393.
- Škrebs, S. Definition eines Regenfalls. p. 391-393.
- Naturwissenschaften.* Berlin. 15. Jahrgang. 18. November, 1927.
Betz, A. Die Windmühlen im Lichte neuerer Forschung. p. 905-914.
- Personality.* Garden City, N. Y. v. 18. November, 1927.
Rawlings, Euclid. The weather man looks out to sea. p. 46-50.
- Physikalische Zeitschrift.* Leipzig. 28. Jahrgang. no. 20. 1927.
Tchanowsky, J. J. Theorie der Lichtzerstreuung in der Erdatmosphäre. p. 680-688.
- Royal meteorological society. Memoirs.* London. v. 2. no. 11.
Dines, W. H. Monthly mean values of radiation from various parts of the sky at Benson, Oxfordshire.
- School science and mathematics.* Chicago. v. 27. December, 1927.
Edwards, Hiram W. A discussion of some of the principles underlying rainfall. p. 926-928.
- Science abstracts.* London. v. 30. November, 1927.
Stäger, A. Atmospheric disperse systems. p. 786-787. [Abstract from Kolloid Zeits.]
- Science and invention.* New York. v. 15. January, 1928.
Gernsback, Hugo. Weather control. p. 783.
- Sociedad astronómica de España y América. Revista.* Barcelona. Año 17. Septiembre-octubre, 1927.
Mendirichaga, Mariano Hernández. Otros factores en climatología. p. 77-79.
- Zeitschrift für Instrumentenkunde.* Berlin. 47. Jahrgang. November, 1927.
Pollak, Leo Wenzel. Über die Verwendung des Lochkartenverfahrens in der Klimatologie. p. 528-532.